

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	16	("4010321"   "4030813"   "4118270"   "4137060"   "4338352"   "4406732"   "4653847"   "4671609"   "4708426"   "4867521"   "4948214"   "5412746"   "5518863"   "5574598"   "6014259"   "6369954").PN.	USPAT	OR	OFF	2006/12/12 15:14
S2	0	"6545816".URPN.	USPAT	OR	OFF	2003/06/24 09:54
S3	2	("4030813"   "5659330").PN.	USPAT	OR	OFF	2003/06/24 09:54
S4	607	((((264/1.1) or (264/1.32) or (264/1.36) or (264/1.7)).CCLS.) and center\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/24 13:07
S5	337	(((((264/1.1) or (264/1.32) or (264/1.36) or (264/1.7)).CCLS.) and center\$4) and (liquid or drop)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/24 13:08
S6	361	(((((264/1.1) or (264/1.32) or (264/1.36) or (264/1.7)).CCLS.) and center\$4) and (liquid or drop\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/24 13:20
S7	28132	(drop\$3 or liquid) near3 (center\$4 or align\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/24 13:21
S8	3565	((drop\$3 or liquid) near3 (center\$4 or align\$5)) and lens	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/24 13:45
S9	295	lens adj centering	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/24 14:12
S10	24	(lens adj centering) and (liquid or drop)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/24 14:15

## EAST Search History

S11	5	drop adj centering	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/24 14:16
S12	8943	microlens or (micro adj lens)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/24 14:17
S13	738397	@pd>="20030501"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/19 09:58
S14	143	(359/666).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/10/20 16:03
S15	3	@pd>="20030501" and ((359/666).CCLS.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/19 09:30
S16	1897	((264/1.1) or (264/1.32) or (264/1.36) or (264/1.7)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/10/20 16:04
S17	63	@pd>="20030501" and (((264/1.1) or (264/1.32) or (264/1.36) or (264/1.7)).CCLS.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/19 09:28
S18	999	(73/432.1).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/10/20 16:06
S19	10	@pd>="20030501" and ((73/432.1).CCLS.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/19 09:31

## EAST Search History

S20	1312	(((drop\$3 or liquid) near3 (center\$4 or align\$5)) and lens) and (trough or channel or hollow or depression or canal or groove)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/10/20 16:09
S21	185	@pd>="20030501" and (((drop\$3 or liquid) near3 (center\$4 or align\$5)) and lens) and (trough or channel or hollow or depression or canal or groove))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/19 09:31
S22	54	(microlens or (micro adj lens)) adj (liquid or drop)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/10/20 16:19
S23	2	((microlens or (micro adj lens)) adj (liquid or drop)) and @pd>="20030501"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/10/20 16:20
S24	43	variable near2 focus near2 liquid near2 lens	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/10/20 16:20
S27	55	variable near2 focus near2 liquid near2 lens	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/04 08:53
S28	14	((microlens or (micro adj lens)) adj (liquid or drop)) and @pd>="20030501"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/04 09:04
S29	744	@pd>="20030501" and (((drop\$3 or liquid) near3 (center\$4 or align\$5)) and lens) and (trough or channel or hollow or depression or canal or groove))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/04 09:07
S30	586	@pd>="20031001" and (((drop\$3 or liquid) near3 (center\$4 or align\$5)) and lens) and (trough or channel or hollow or depression or canal or groove))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/04 09:07
S31	13	@pd>="20031001" and ((73/432.1).CCLS.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/04 09:16

## EAST Search History

S32	219	@pd>="20031001" and (((264/1.1) or (264/1.32) or (264/1.36) or (264/1.7)).CCLS.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/04 09:17
S33	21	@pd>="20031001" and ((359/666).CCLS.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/04 09:24
S34	13	drop adj centering	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/04 09:25
S35	30	(lens adj centering) and (liquid or drop)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/04 09:25
S36	1	09/937508	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/04 13:07
S37	0	09/937508.an.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/04 13:07
S38	1	09/937,508	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/04 13:07
S39	1394821	@pd>="20050101"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/19 09:58
S40	765	(((264/1.1) or (264/1.32) or (264/1.36) or (264/1.7)).CCLS.) and center\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/19 09:59

## EAST Search History

S41	48	S39 and S40	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/19 09:59
S42	449	(((264/1.1) or (264/1.32) or (264/1.36) or (264/1.7)).CCLS.) and center\$4) and (liquid or drop)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/19 10:04
S43	35	S39 and S42	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/19 10:04
S44	0	S43 not S41	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/19 10:04
S45	39963	(drop\$3 or liquid) near3 (center\$4 or align\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/19 10:05
S46	3936	S39 and S45	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/19 10:05
S47	5801	((drop\$3 or liquid) near3 (center\$4 or align\$5)) and lens	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/19 10:05
S48	633	S39 and S47	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/19 10:06
S49	32	(lens adj centering) and (liquid or drop)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/19 10:06
S50	15	drop adj centering	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/19 10:07

## EAST Search History

S51	185	(359/666).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/19 10:18
S52	10	S51 and S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/19 10:18
S53	2050	((drop\$3 or liquid) near3 (center\$4 or align\$5)) and lens) and (trough or channel or hollow or depression or canal or groove)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/19 10:23
S54	312	S53 and S39	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/19 10:23
S55	68	(microlens or (micro adj lens)) adj (liquid or drop)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/19 09:37
S56	58	variable near2 focus near2 liquid near2 lens	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/19 09:39
S57	32	(lens adj centering) and (liquid or drop)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/19 09:25
S58	16	drop adj centering	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/19 09:26
S59	90	@pd>="20050901" and (((264/1.1) or (264/1.32) or (264/1.36) or (264/1.7)).CCLS.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/19 09:28

## EAST Search History

S60	8	@pd>="20050901" and ((359/666).CCLS.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/19 09:30
S61	4	@pd>="20050901" and ((73/432.1).CCLS.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/19 09:31
S62	218	@pd>="20050901" and (((drop\$3 or liquid) near3 (center\$4 or align\$5)) and lens) and (trough or channel or hollow or depression or canal or groove))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/19 09:32
S63	11	@pd>="20050901" and (microlens or (micro adj lens)) adj (liquid or drop)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/19 09:38
S64	14	@pd>="20050901" and (variable near2 focus near2 liquid near2 lens)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/19 09:40
S65	2	("6702483").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/11 09:19
S66	7	("5687401"   "5745255"   "6369954"   "6449081").PN. OR ("6702483").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/11 10:11
S67	1249	berge.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/11 13:23
S68	25080	bruno.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/11 13:23

## EAST Search History

S69	9	S67 and S68	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/11 13:24
S70	1	"09937508"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/11 13:42
S71	2	("5439621").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/12 15:14
S72	7	("5687401"   "5745255"   "6369954"   "6449081").PN. OR ("6702483"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/12 15:27
S73	109	"00751"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/12 15:27
S74	8	("5687401"   "5745255"   "6369954"   "6449081").PN. OR ("6702483"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/28 09:48
S75	44	(lens adj centering) and (liquid or drop)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/28 09:50
S76	5710568	@pd>="20050101"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/28 09:54
S77	2889	((drop\$3 or liquid) near3 (center\$4 or align\$5)) and lens) and (trough or channel or hollow or depression or canal or groove)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/28 09:56
S78	1151	S77 and S76	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/28 09:54

## EAST Search History

S79	86	(((drop\$3 or liquid) near3 (center\$4 or align\$5)) same lens) same (trough or channel or hollow or depression or canal or groove or well)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/28 09:57
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